

## DECLARATION

As the below named inventors, we hereby declare that:

Our residences, post office addresses and citizenship are as stated below next to our names respectively.

We believe that we are the original, first and only inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### **METHOD OF HYBRID SOFT/HARD DECISION DEMODULATION OF SIGNALS WITH MULTILEVEL MODULATION**

the specification of which:

- ☒ is attached hereto.  
was filed on \_\_\_\_\_ as  
☐ Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_. (if applicable)

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

We hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventors certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

☐ Yes ☐ No

\_\_\_\_\_  
(Number)

\_\_\_\_\_  
(Country)

\_\_\_\_\_  
(Day/Month/Year Filed)

We hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

We hereby claim the benefit under Title 35, United States Code, § 120, of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, we acknowledge the

duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Ser. No.) (Filing Date) (Status) (patented, pending, abandoned)

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated: 7/6/00

Residence  
Citizenship  
Post Office Address

K. Srinivas  
Srinivas Kandala  
Clark County, Washington  
India  
8701 N E 54<sup>th</sup> Street, C-1  
Vancouver, Washington 98662

Dated: 7/6/00

Residence  
Citizenship  
Post Office Address

V. S. Somayazulu  
V. Srinivasa Somayazulu  
Washington County, Oregon  
USA  
12910 Winterlake Drive  
Tigard, Oregon 97223

Dated: \_\_\_\_\_

Residence  
Citizenship  
Post Office Address

Chan K. Park  
Chan K. Park  
Clark County, Washington  
South Korea  
13705 S E 18<sup>th</sup> Street, #1  
Vancouver, Washington 98683

DECLARATION

TAL:djs 07/05/00 7146.075

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Prior Foreign Application(s)

Priority Claimed

☐ Yes ☐ No

\_\_\_\_\_  
(Number) (Country) (Day/Month/Year Filed)

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\_\_\_\_\_  
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TAL:djs 07/05/00 7146.075

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Dated: \_\_\_\_\_

Residence  
Citizenship  
Post Office Address

Srinivas Kandala  
Clark County, Washington  
India  
8701 N E 54<sup>th</sup> Street, C-1  
Vancouver, Washington 98662

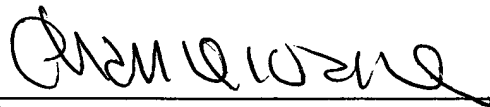
Dated: \_\_\_\_\_

Residence  
Citizenship  
Post Office Address

V. Srinivasa Somayazulu  
Washington County, Oregon  
USA  
12910 Winterlake Drive  
Tigard, Oregon 97223

Dated: July 9, 2000

Residence  
Citizenship  
Post Office Address

  
Chan K. Park  
Washington County, Oregon  
South Korea  
19575 NW Decora Lane, #426  
Hillsboro, Oregon 97124

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT APPLICATION EXAMINING OPERATIONS**

Applicant : Srinvasa Somayazulu et al.

Group Art Unit:

Serial No :

Examiner:

Filed: Filed concurrently herewith

Title: **METHOD OF HYBRID SOFT/HARD DECISION  
DEMODULATION OF SIGNALS WITH MULTILEVEL MODULATION**


**POWER OF ATTORNEY**

I, Jon K. Clemens, declare that I am the President of Sharp Laboratories of America, Inc., a Washington corporation, and am authorized to execute this document on its behalf. Sharp Laboratories of America, Inc., as the assignee of the entire right, title and interest in the above-referenced patent application and hereby appoints Jacob E. Vilhauer, Jr., Reg. No. 24,885, Charles D. McClung, Reg. No. 26,568, Dennis E. Stenzel, Reg. No. 28,763, Donald B. Haslett, Reg. No. 28,855, William O. Geny, Reg. No. 27,444, J. Peter Staples, Reg. No. 30,690, Kevin L. Russell, Reg. No. 38,292, Nancy J. Moriarty, Reg. No. 40,733, Bruce W. DeKock, Reg. No. 40,585, and Tim A. Long, Reg. No. 28,876 of the firm of CHERNOFF, VILHAUER, McCLUNG & STENZEL, 1600 ODS Tower, 601 S W Second Avenue, Portland, Oregon 97204, Telephone No. (503) 227-5631, its attorneys, jointly and individually, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Sharp Laboratories of America, Inc.**

Dated: July 7, 2000

  
Name: Jon K. Clemens  
Title: President

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE UNDER 37 CFR §3.73(b)

Applicants: Srinivas Kandala, V. Srinivasa Somayazulu and Chan K. Park

Application No: N/A Filed: Concurrently herewith

Title: **METHOD OF HYBRID SOFT/HARD DECISION DEMODULATION OF SIGNALS WITH MULTILEVEL MODULATION**

Sharp Laboratories of America, Inc. (Assignee) a Washington corporation (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.) certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel     , Frame     , or for which a copy thereof is attached.

B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From:                      To:                     

The document was recorded in the Patent and Trademark Office at Reel     , Frame     , or for which a copy is attached.

2. From:                      To:                     

The document was recorded in the Patent and Trademark Office at Reel     , Frame     , or for which a copy is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached. (Where one or more of the documents is unrecorded.)

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this Certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of **METHOD OF HYBRID SOFT/HARD DECISION DEMODULATION OF SIGNALS WITH MULTILEVEL MODULATION** or any patent issuing thereon.

Date: July 12, 2000

Name: Timothy A. Long

Title: Attorney for the Assignee (a copy of the Power of Attorney is attached)

Signature: Timothy A. Long

Chernoff, Vilhauer, McClung & Stenzel, LLP  
1600 ODS Tower  
601 S W Second Avenue  
Portland, Oregon 97204  
Tel: (503) 227-5631